

Notice of Allowability

Application No.

10/763,092

Applicant(s)

DUNNE ET AL.

Examiner

Art Unit

James H. Blackwell

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Application filed 01/22/2004.
2. ☒ The allowed claim(s) is/are 1-19 and 28.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 1/22/04, 10/21/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 06/28/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

William L. Bashore
WILLIAM BASHORE
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT AND REASONS FOR ALLOWANCE

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Agent Herman Rodriguez on 06/28/2006. The application has been amended as follows:
3. Claims 20-27 are cancelled.
4. Claims 1, 11, and 28 now read as follows:
 1. A method of parsing an XML stream containing simple types wherein said simple types are not XML elements within a complex type, said method comprising:
 - receiving said XML stream;
 - parsing said XML stream comprising:
 - on encountering a parent element in said XML stream, utilizing an XML schema to locate a type for said parent element;
 - where said type is a complex type, determining whether a mixed flag for said complex type in said schema is set to true;
 - where said mixed flag is set to true, interpreting fragments embedded in said parent element in accordance with said complex type, each fragment being one of an arbitrary string and an element;

generating parser output events interpreting each embedded fragment as one of an embedded simple type and an inherited simple type where, in accordance with said complex type, each embedded fragment corresponds to a dummy element having a simple type, with one of (i) a name of said dummy element and (ii) a name of said simple type being one of a predetermined set of names.

11. A parser for parsing an XML stream containing simple types wherein said simple types are not XML elements within a complex type, said parser comprising:

means for receiving an XML stream;

means for parsing said XML stream comprising;

means for, on encountering a parent elements in said XML stream, utilizing an XML schema to locate a type for said parent element;

means for, where said type is a complex type, determining whether a mixed flag for said complex type in said schema is set to true;

means for, where said mixed flag is set to true, interpreting fragments embedded in said parent element in accordance with said complex type, each fragment being one of an arbitrary string and an element;

means for generating parse output events interpreting each embedded fragment as one of an embedded simple type and an inherited simple type, where, in accordance with said complex type, each embedded fragment corresponds to a dummy element having a simple type, with one of (i) a name of

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said dummy element and (ii) a name of said simple type being one of a predetermined set of names.

28. A computer readable medium containing computer executable instructions, which when executed by a processor, cause said processor to undertake a method for parsing an XML stream containing simple types wherein said simple types are not XML elements within a complex type, said method comprising:

receiving said XML stream;

parsing said XML stream comprising:

on encountering a parent element in said XML stream, utilizing an XML schema to locate a type for said parent element;

where said type is a complex type, determining whether a mixed flag for said complex type in said schema is set to true;

where said mixed flag is set to true, interpreting fragments embedded in said parent element in accordance with said complex type, each fragment being one of an arbitrary string and an element;

generating parser output events interpreting each embedded fragment as one of an embedded simple type and an inherited simple type where, in accordance with said complex type, each embedded fragment corresponds to a dummy element having a simple type, with one of (i) a name of said dummy element and (ii) a name of said simple type being one of a predetermined set of names.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance: The prior art of record, either alone or in combination, fails to teach, suggest, or render obvious the combined limitations of each of the independent claims, especially in regard to the last limitation *where, in accordance with said complex type, an embedded fragment corresponds to a dummy element having a simple type, with one of (i) a name of said dummy element and (ii) a name of said simple type being one of a predetermined set of names, generating parser events interpreting said embedded fragment as one of an embedded simple type and an inherited simple type.*

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James H. Blackwell whose telephone number is 571-272-4089. The examiner can normally be reached on Mon-Fri.

8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather R. Herndon can be reached on 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

James H. Blackwell
07/09/2006

William L. Bashore
WILLIAM BASHORE
PRIMARY EXAMINER